

Vinay Sekhar Reddy

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SUMMARY

Versatile Software Engineer with 2 years of experience building scalable backend systems and full-stack applications in banking and AI domains. Proficient in Java, Spring Boot, REST APIs, SQL, AWS, Python, React and Node.js, developing reliable backend services, cloud and LLMs integrations. Quick to learn, adaptable, and driven to grow within high-impact, cross-functional teams solving real-world challenges.

EDUCATION

University of North Texas

Master of Science — Computer Science — GPA: 3.6

Aug 2023 – May 2025

Denton, TX

Anurag Group of Institutions

Bachelor of Technology — Computer Science and Engineering — GPA: 8.35

Aug 2018 – May 2022

Hyderabad, India

- Honors: Received merit scholarship for all the six semesters

TECHNICAL SKILLS

Languages: Java (Java 8+), Python, C, JavaScript (ES6+), SQL, HTML5, CSS3

Frameworks: React, NodeJs, ExpressJs, Apache, Spring Boot, Hibernate/JPA, Redis, REST API, FastAPI, Tailwind CSS, Unity

Database and Cloud: DynamoDB, MySQL, PostgreSQL, AWS (EC2, Lambda, S3, CloudWatch, API Gateway), Kubernetes, CI/CD, Docker, ArgoCD, Okta

Tools: Git, Github, Bit Bucket, JIRA, Postman, Sonnet, OpenAI, JetBrains Softwares, Eclipse, Visual Studio Code, Jupyter Notebook, Google Colab, Adobe XD, Figma

Coursework Knowledge: Object Oriented Programming, Algorithms, Data Structures, Big Data, Machine Learning, RDBMS, NoSQL, LLM, Microservices, Agile, CI/CD Pipelines, Cloud Deployment, Test-driven Development (TDD)

Certification: The Complete Full-Stack Web Development Bootcamp — Udemy

EXPERIENCE

Java Developer

Nvision Group

Aug 2025 – Dec 2025

Grapevine, Texas

- Implemented secure API authentication and authorization using OAuth2, JWT, SSL/TLS, and IAM, ensuring regulatory compliance and reducing security incidents by 30% across internal and external services.
- Built centralized observability pipelines using Log4j, CloudWatch, and Prometheus, enabling proactive anomaly detection and accelerating incident resolution by 35%.
- Orchestrated cloud-native deployments with Jenkins, Maven, Docker, AWS EC2, Lambda, and GitHub Actions, implementing zero-downtime CI/CD and reducing infrastructure costs by 20%.
- Followed Agile (Scrum) practices, actively participating in sprint planning, grooming sessions, retrospectives, and JIRA-based issue tracking to ensure smooth releases and minimal outages.

Software Engineer

HCL Tech

Feb 2023 – Jul 2023

Hyderabad, India

- Rebadged to HCL Technologies in Feb 2023 for continuity on high-impact client banking projects owing to a strategic delivery model shift.
- Built responsive, production-ready UIs using JavaScript, Visualizer and Tailwind CSS, reducing frontend latency by 50% and improving UX across 1,500+ daily sessions.
- Identified and mitigated a critical security vulnerability by removing session user IDs from PDF transaction URLs and enforcing server-side authorization to prevent unauthorized access to sensitive banking documents.
- Collaborated with QA and product teams to identify and fix more than 60 critical system defects to the client in UAT environment, leading to 40% reduction on reported bugs and 25% improvement in platform uptime, by enhancing stability and customer banking experience.
- Constructed and operated super high-performance REST APIs and backend services through Java, Spring Boot, and Microservices, while making sure compliance with banking standards and regulations.

- Logic of the backend, and data flow was optimized by writing the pre and post processors for improved scalability and performance during periods of peak banking hours and reducing downtime incidents.
- Led collaborative project planning with mentors and developers, optimizing resource allocation.

Associate Software Engineer

Oct 2022 – Feb 2023

Temenos

Hyderabad, India

- Selected as one of the top-performing interns to transition into a full-time Software Engineer role at Temenos in Oct 2022, based on strong performance and technical contributions.
- Implemented and ran efficient server-side logic and database interactions, increasing system response time and backend processing by 5%.
- Throughout the development process, I consistently followed clean code principles. This included writing modular, well-organized code, adhering to naming conventions, and ensuring readability.
- Managed 12+ cloud environments during development including UAT, and production stages with high availability, deployment consistency, and environment stability.
- Led integration work of QuickBooks and Intuit services through development of pre-processors, post-processors, object services, orchestration services, and API handling in Temenos Quantum Fabric (Cloud).

Product Engineer

Feb 2022 – Sept 2022

Temenos

Hyderabad, India

- Developed and maintained backend solutions using Temenos Quantum Fabric, which enabled seamless integration with banking systems and enhanced backend infrastructure.
- Resolved over 70+ high-impact defects in collaboration with QA and product teams, which allowed for a 40% increase in application performance and 25% increase in platform (mobile and web) uptime.
- Actively participated in code reviews with team, providing constructive feedback and incorporating suggestions.

PROJECTS

ProjHealth - AI-Powered Health Platform | *React, Node.js, Express.js, LLM integration, Stanford NLP* | [Link](#)

- Built full-stack platform using React, Tailwind, Node.js, and OpenAI to generate personalized workout, diet, and sleep plans with scalable frontend-backend integration.
- Integrated Apple Watch and WHOOP APIs to process 20K+ daily biometric datapoints, achieving P95 inference of 250-300ms and optimizing prompt caching to cut OpenAI API costs by 22%.
- Developed “Oats” AI coach delivering 1,000+ personalized responses, supporting 100-150 QPS during cohort tests for real-time high-volume user interactions.

Grumpy Rocket - Offline Game Development Project | *C#, Unity Game Engine, Shaders, Google Admob* | [Link](#)

- Developed Unity space adventure game with advanced physics, and AI-driven NPC behavior, enhancing player engagement and achieving 4.7-star user ratings.
- Integrated Google AdMob for monetization analytics, tracking in-game metrics to optimize gameplay features, maximize user retention.
- Refined game performance through optimization and feature iteration, ensuring smooth offline gameplay for 100+ downloads and consistent user satisfaction.

HONORS AND AWARDS

Winner, MLH Hackathon - Developed a multilingual AI chatbot using IBM Watson NLP — Powered by Microsoft — 2020

Featured in Times of India - Piezoelectric energy harvesting project; 7 national awards — 2014